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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,774	09/19/2003	Kwan Wu Chin	CML01195AC	9433
22917 7590 03/08/2007 MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196			EXAMINER TANG, KAREN C	
			ART UNIT 2151	PAPER NUMBER

SHORTENED STATUTORY PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE
3 MONTHS	03/08/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 03/08/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.Schaumburg@motorola.com
APT099@motorola.com

Office Action Summary

Application No.

10/666,774

Applicant(s)

CHIN ET AL.

Examiner

Karen C. Tang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 9/19/03.

- 4) ☐ Interview Summary (PTO-413).
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

1. Claims 1-20 are presented for examination.

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement filed 9/23/03 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because on page 2, it comprising web link, an actual hardcopy of the prior art is required. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609.05(a).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Inouchi et al hereinafter Inouchi (US 2006/0227780).

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2. Referring to Claim 1, 8, and 11, Inouchi disclosed a gateway for communicating between two or more home network, comprising: at least one communications interface for transmitting and receiving data (TR, comprising interfaces to transmit/receive package, Abstract); a storage unit for storing data and instruction to be performed by a processing unit (14, refer to 0047); and a processing unit coupled to said at least one communications interface and said storage unit (refer to CPU, refer to 0047), said processing unit is programmed to: transmit to a remote gateway via a tunnel of a virtual private network (VPN) a DNS setup packet comprising a global name of a home network, and a private address of a DNS server in said home network (it is inherent that IPv4 and IPv6, comprising the global name of a home network and a private address of a DNS server, refer to 0054, 0058, 0059: For supporting information regarding IPv4 and IPv6, and how it can be converted from one to another, and how the address information being extracted from the IPv4 and IPv6 package, please refer to EP 1087575); to receive from said remote gateway via said tunnel a DNS setup reply packet comprising a global name of another home network, and a private address of a DNS server in said other home network (it is inherent that IPv4 comprising the global name of a home network and a private address of a DNS server, refer to 0061 and 0062); and to configure an application level gateway of said DNS server (DNS-ALG) in said home network dependent upon said DNS setup reply packet to redirect DNS name requests for said global name of said other network to said DNS server in said other network (converting the IPv6 to IPv4 address, refer to 0057).

3. Referring to Claim 2 and 12, Inouchi disclosed wherein said processing unit is programmed to extract from said DNS setup reply packet said global name of said other home network and said private address of said DNS server in said other home network (refer to 0082, 0084).
4. Referring to Claim 3, and 13, Inouchi disclosed wherein said processing unit is programmed to resolve address conflicts between said home network and said other home network (refer to 0094).
5. Referring to Claim 4, and 14, Inouchi disclosed wherein said processing unit is programmed to generate a DNS setup packet comprising said global name of said home network and said private address of said DNS server in said home network (refer to 0082 and 0086).
6. Referring to Claim 5, and 15, Inouchi disclosed wherein said global names of said home network and said other home network are fully qualified domain names (FQDNs) (IPv4 and IPv6 packets comprising FQDNs, refer to 0008 and 0009).
7. Referring to Claim 6, and 16, Inouchi disclosed wherein configuring said DNS-ALG comprises adding a redirect data structure in a configuration data structure of said DNS-ALG (refer to 0056).

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8. Referring to Claim 7, and 17, Inouchi disclosed regarding wherein a two faced DNS system coupled to said DNS-ALG in said home network, said two face DNS system comprising an internal said DNS server and an external side DNS server, said internal side DNS server resolving host names received via said VPN tunnel to corresponding private addresses.

It is obvious to comprise the two faced DNS system coupled to said DNS-ALG in said home network (refer to 0015, 0011 and 0005).

9. Referring to Claim 18, Inouchi disclosed wherein said processing unit is programmed: to determine if a domain name in a domain name request received by said DNS-ALG in said home network is not for said home network; if said domain name request is determined to not be for said home network, to forward said domain name request via said virtual private network (VPN) tunnel to an application level gateway of a DNS (DNS-ALG) of another home network specified by a redirector configured in said DNS-ALG of said home network (different network, refer to 0014, 0019, 0020, 0046 and 0054).

10. Referring to Claims 9 and 19, Inouchi disclosed wherein said processing unit is programmed to resolve a global domain name for said domain name request and to forward a reply to a requesting host in response to said request, if said domain name is determined not to be for said home network and said DNS-ALG of said home network does not have a redirector specified (from the different network, refer to 0014, 0019, 0020, 0046).

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11. Referring to Claim 10 and 20, Inouchi disclosed wherein said processing unit is programmed, if said domain name request is determined to be for said home network, to forward a reply to said requesting host from one of an external side DNS server and an internal side DNS server of said home network dependent upon whether the domain name request is from one of an internal host of said home network and said VPN, respectively (from the same network, refer to 0013, 0019, 0020, 0046).

Conclusion

12. **Examiner's Notes:** Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner. In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

13. A shortened statutory period for reply to this Office action is set to expire THREE MONTHS from the mailing date of this action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen C. Tang whose telephone number is (571)272-3116. The examiner can normally be reached on M-F 7 - 3.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571)272-3939. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karen Tang


ZARNI MAUNG
SUPERVISORY PATENT EXAMINER